



OMB No. 0651-0011

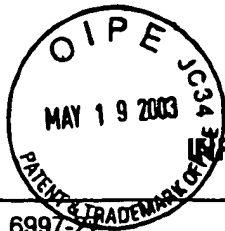
INFORMATION DISCLOSURE CITATION

Atty. Dock t No. 6997-27	Appln. No. 10/032,468
Applicant Steven Martin HUDSON et al.	
Filing Dat January 2, 2002	Group: Not Yet Assigned

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date if Appropria
TE	3,150,321	09/22/64	Summers	325	28	
TE	3,333,239	07/25/67	Silverman	340	18	
TE	3,831,138	08/20/74	Rammner	340	18 LD	
TE	4,525,715	06/25/85	Smith	340	854	
TE	4,684,946	08/04/87	Issenmann	340	855	RECEIVED
TE	4,785,247	11/15/88	Meador et al.	324	338	MAY 20 2003
TE	5,130,706	07/14/92	Van Steenwyk	340	854.6	Technology Center 2600
TE	5,189,415	02/23/93	Shimada et al.	340	854.6	
TE	5,396,232	03/07/95	Mathieu et al.	340	854.5	
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TE	5,945,923	08/31/99	Soulier	340	854.6	

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	0 295 712 A2	12/21/88	EPO			Yes
TE	0 816 632 A1	01/7/98	EPO			No
TE	0 995 877 A1	04/26/00	EPO			No
TE	1 130 418 A1	09/05/01	EPO			No
TE	2.205.996	5/31/74	France			No
TE	WO 98/06924	02/19/98	WIPO			Yes
TE	WO 99/08035	02/18/99	WIPO			Yes - Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
TE	R. Magliona et al., "Electromagnetic Transmission Improvements Applied to On/offshore Drilling in the Mediterran an Area," February 1194
TE	L. Soulier et al., "E.M. MWD Data Transmission Status and Perspectiv s," paper prepared for pres ntation at 1993 SPE/IADC Drilling conference held in Amsterdam February 23-25, 1993.
TE	"Second-generation MWD tool"< Oil and Gas Journal, February 1983.



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Examiner <i>J. Edwards</i>	Date Considered <i>2/1/05</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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Applicant	Steven Martin Hudson et al.		
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U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
TE	5,394,141	02/28/95	Soulier	340	854.4	

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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	0 646.304	04/05/95	EPO		YES	

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TE	H. Yasuharu, "DATA TRANSMISSION SYSTEM," Patent Abstracts of Japan of JP Pub No. 57026942 (02/13/82)

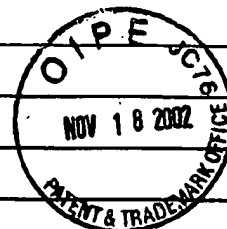
Examiner	T. Edwards	Date Considered	2/1/05
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Filing Date	January 2, 2002	Group:	Not Yet Assigned



U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
TE		5,576,703	11/19/96	MacLeod et al.	340	854.4	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner	T. Edwards	Date Considered	2/1/05
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10/03/2002
10/03/2002
10/03/2002

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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
TE	2,364,957	12/12/44	Douglas	—	—	
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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	WO99/37044	7/22/99	WIPO	—	—	
TE	WO93/26115	12/23/93	WIPO	—	—	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
TE	I. TAKASHI, "METHOD AND DEVICE FOR UNDERWATER SIGNAL TRANSMISSION", Patent Abstracts of Japan of JP 56078240, filed June 27, 1981.

Examiner <i>T. Edwards</i>	Date Considered <i>2/1/05</i>
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